

## CLAIMS

1. A skin dressing comprising a hydrated hydrogel material comprising a source of lactate ions and a supply of glucose.
2. A skin dressing comprising a hydrated hydrogel material comprising a source of lactate ions and a supply of glucose, excluding a hydrated hydrogel comprising the following reagents by weight: 20% sodium AMPS (2-acrylamido-2-methylpropanesulfonic acid, sodium salt (Lubrizol, code 2405), 0.2% poly ethylene glycol 400 diacrylate (UCB Chemicals), 0.01% photoinitiator (1-hydroxycyclohexyl phenyl ketone (Aldrich)), 20% glucose (Fisher), 0.1% zinc lactate (Sigma), 0.05% potassium iodide (Fisher) and to 100% with DI-water.
3. A skin dressing comprising a hydrated hydrogel material comprising a source of lactate ions and a supply of glucose, wherein the glucose is present in an amount of less than 20% by weight of the weight of the hydrated hydrogel material.
4. A skin dressing according to claim 1, 2 or 3, wherein the hydrated hydrogel material is in the form of a layer, sheet or film of material.
5. A skin dressing according to claim 1, 2 or 3, wherein the hydrated hydrogel material is in amorphous form.
6. A skin dressing according to any one of the preceding claims, wherein the hydrated hydrogel comprises hydrophilic polymer material.
7. A skin dressing according to claim 6, wherein the hydrophilic polymer material is selected from polyacrylates and methacrylates.

8. A skin dressing according to claim 7, wherein the hydrophilic polymer material comprises poly 2-acrylamido-2-methylpropane sulphonic acid (poly AMPS) or salts thereof.
9. A skin dressing according to claim 6, 7 or 8, wherein the hydrophilic polymer material is present at a concentration of at least 1%, preferably at least 2%, more preferably at least 5%, yet more preferably at least 10%, or at least 20%, desirably at least 25% and even more desirably at least 30% by weight based on the total weight of the gel.
10. A skin dressing according to any one of the preceding claims, wherein the source of lactate ions is selected from sodium L-lactate, sodium D-lactate, sodium D, L-lactate and zinc L-lactate.
11. A skin dressing according to any one of the preceding claims, further comprising a source of zinc ions.
12. A skin dressing according to claim 11, wherein the source of zinc ions is selected from zinc chloride, zinc fluoride, zinc sulphate and zinc lactate, particularly zinc L-lactate.
13. A skin dressing according to any one of the preceding claims, wherein the glucose is present in an amount of at least 2.5%, preferably at least 5%, by weight of the weight of the hydrated hydrogel material.
14. A skin dressing according to any one of the preceding claims, further comprising a source of iodide ions, e.g. potassium iodide or sodium iodide.
15. A skin dressing according to any one of the preceding claims, in combination with a source of oxygen or an oxidising agent.
16. A skin dressing according to claim 15, in combination with material comprising oxidoreductase enzyme, preferably glucose oxidase.

17. A skin dressing according to claim 16, wherein the layer of material comprising oxidoreductase enzyme comprises a hydrated hydrogel.
18. A skin dressing comprising a first hydrated hydrogel material comprising a source of lactate ions and a supply of glucose with optional sources of zinc ions and iodide ions; and a second hydrated hydrogel material comprising an oxidoreductase enzyme.